Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
59	Supplying of recess mounting non integrated type LED down light..... W luminaire comprising of pressure decast/ extruded luminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K,CRI> 70%. efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF >0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit,THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition 3) 15-18W	Nos	36.00	-	-	-	36	2000.00	72000	36.00	72000.00	
60	Supplying of recess mounting non integrated type LED down light ..... W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K,CRI> 70%. efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF >0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit,THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition 3) 10-12W	Nos	76.00	-	-	-	76	1360.00	103360	76.00	103360.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
61	Supplying of recess mounting non integral type .....LED ..... W luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded fase ceiling clamps,Power LEDs with CCT 6500 degree K, CRI> 70%. efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, , THD less than 20%, Life as per LM 79, The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.LED modular down light 2'x2' / 1' x 4' 42-55 watts	Nos	5.00	-	-	-	5	5600.00	28000	5.00	28000.00	
62	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation.Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection-Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75.Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any overnment	Nos	10.00	-	-	-	10	5480.00	54800	10.00	54800.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
63	Supply, Erection, testing and commissioning of AMF panel suitable for .....KVA DG set. The panel is of cubical type base/floor mounting control panel with hinged doors, undrilled bottom gland plate, aluminium Bus Bar with the accommodation for .....amps 4 pole contactor for alternator with thermal O/L relay,..... Amps 4 pole contactor for mains, HRC fuse for short circuit protection, Microprocessor based AMF module with supply failure timer, Restoration timer, 3 impulse automatic engine start/stop logic, Mains/generator voltage, ...capacity bypass switch and frequency sensing, PCC 1301 controller with water temperature/Lube oil pressure/ engine speed, Voltage/ampere/Frequency/ KVA, Running-hour count, No of starts, Fault indication, over /under speed, Fails to start, Low oil pleasure, High engine temperature, Under/over voltage, over current, Earth fault relay, with indications for Mains on, Load on Mains, Battery charger on Push buttons AMf module by pass Mode, Battery charger unit with inbuilt Auto/Manual and Flat/Boost facility.Above 125 KVA upto 250 KVA	Set	11.00	-	-	-	11	7500.00	82500	11.00	82500.00	
64	Supplying, installing, testing and commissioning of Diesel Generator set with following specifications. Power rating as per standard reference condition as per-BS 5514 / ISO 3046 / ISO 8528 & IS 1002 / ISO 3046 Generator set specifications, Engine: Diesel generating set are rated at 1500RPM and conform to ISO 8528 specifications. The engines are radiator cooled, four stroke and multi cylinder, conforming to ISO 3046. The scope of supply includes: Electrical starter motor 12V DC Battery charging alternator, Bosch fuel system with mechanical governor, A1 Class. Spin-on lube oil filter,Spin-on dual fuel filter with water separator, Turbocharger,Charge air cooler, Silencer (Hospital grade),Dry type air cleaner, Shutoff coil, Flywheel and flywheel housing, First fill of lube oil and coolant, Safety for low lube oil pressure, Safety for high water temperature, Permissible overload of 10% for one hour in 12 hours of operation, Capacity of Fuel Tank: Fuel tank suitable for 8 hours of operation, Alternator: Alternator is suitable for operation at 1500 RPM, 415 Volts, 0.8 pf (lag) suitable for 50 Hz, 3 phase, 4 wire systems, conforming toIS/IEC 60034-1. The Alternator is brushless type, screen protected, revolving field, self excited,self regulated	Set	1.00	-	-	-	1	1233300.0	1233300.0	1.00	1233300.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
65	Supply, Erection, testing and commissioning of AMF panel suitable for .....KVA DG set. The panel is of cubical type base/floor mounting control panel with hinged doors, undrilled bottom gland plate, aluminium Bus Bar with the accommodation for .....amps 4 pole contactor for alternator with thermal O/L relay,..... Amps 4 pole contactor for mains, HRC fuse for short circuit protection, Microprocessor based AMF module with supply failure timer, Restoration timer, 3 impulse automatic engine start/stop logic, Mains/generator voltage, ...capacity bypass switch and frequency sensing, PCC 1301 controller with water temperature/Lube oil pressure/ engine speed, Voltage/ampere/Frequency/ KVA, Running-hour count, No of starts, Fault indication, over /under speed, Fails to start, Low oil pleasure, High engine temperature, Under/over voltage, over current, Earth fault relay, with indications for Mains on, Load on Mains, Battery charger on Push buttons AMf module by pass Mode, Battery charger unit with inbuilt Auto/Manual and Flat/Boost acility.Above 125 KVA upto 250 KVA	Set	1.00	-	-	-	1	203200.0	203200	1.00	203200.00	
66	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS:8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 10C X 4Sq.mm	Mtrs	30.00	-	-	-	30	350.00	10500	30.00	10500.00	
67	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.25x3mm Copper strip	Mtrs	50.00	-	-	-	50	505.00	25250	50.00	25250.00	
68	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Nos	31.00	-	-	-	31	175.00	5425	31.00	5425.00	
69	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders	Nos	110.00	-	-	-	110.00	110.00	12100	110.00	12100.00	
70	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, ecessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Nos	30.00	-	-	-	30.00	150.00	4500	30.00	4500.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
71	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 amps. ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire.	Nos	8.00	-	-	-	8.00	400.00	3200	8.00	3200.00	
72	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S355JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards,Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended 3 meters - Top 75mm and bottom 105 mm dia	Nos	7.00	-	-	-	7.00	5037.00	35259	7.00	35259.00	
73	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.Pipe	Nos	7.00	-	-	-	7.00	835.00	5845	7.00	5845.00	
74	Rcc For Dg set Bed 0.3x2.00x3.0 Mtrs	Nos	1.00	-	-	-	1.00	10000.00	10000	1.00	10000.00	
75	Supply, testing & commissioning of wall mount speaker Frequency Range (-10 dB) 1.75 Hz-20 KHz Frequency Response (□ 3dB) 1:75 Hz-20 KHz Coverage Pattern: 100□ x 15□ nominal, Crossover Modes: Full range amp / passive, externally switch able Crossover Frequency: 1.2 KHz, Power Rating Passive: 400/800 watt (Continuous /programme for balcony use Make: Ahuja/Studi master orEquivalent	Nos	4.00	-	-	-	4	42500	170000	4.00	170000.00	
76	Supply, testing & commissioning of "Mounting Frame for fixing Speaker enclosures. Includes Quick Release. Make: Custom	Nos	4.00	-	-	-	4	8125.00	32500	4.00	32500.00	
77	Supply, testing & commissioning of "Two –Way compact green room speakers in Speaker – Frequency Range (-10 dB):60Hz – 20 KHz Frequency Responses (□ 3dB): 70 Hz –20 KHz Coverage Pattern: 50□ x 90□ nominal Crossover Modes: Passive / Bi-amp Crossover Frequency: 1.1 KHz Power Rating: Passive Full-Range 60 to 90 W Green room and control room monitor including wiring & fixtures Make: Ahuja//Studio Master or Equivalent	Nos	3.00	-	-	-	3	16800.00	50400	3.00	50400.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
78	Supplying ,installation ,Commissioning and Testing CP PLUS 3 MP , 50 meters ip bullet camera,1/3" 3MP PS CMOS Image Sensor,Max 25fps@3MP, 25/30fps@1080P,H.264, H.264H, H.264B , MJPEG dual-codec encoding,DWDR, Day/Night(ICR), 3DNR, ROI, AWB, AGC, BLC, HLC,3.6mm fixed lens (6mm optional),IR Range of 50 Mtrs, IP67, SD Card, PoE,Mobile Software: iCMOB, gCMOB,CMS Software: KVMS Pro, vOptimus Pro inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	20.00	-	-	-	20	23160	463200	20.00	463200.00	
79	Supplying ,installation ,Commissioning and Testing CP PLUS 32 Ch. H.265 4K Network Video Recorder Up to 32 channel IP camera input H.265/H.264 dual codec decoding Up to 8Mp resolution preview and playback Max 200Mbps incoming bandwidth Support 4 SATA HDDs up to 24TB, 2 USB(1 USB3.0) HDMI / VGA simultaneous video output Support Multi-brand network cameras ONVIF Version 2.4 conformance Mobile Software: iCMOB, gCMOB inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	1.00	-	-	-	1	66892	66892	1.00	66892.00	
80	Providing and Supplying NAS hard disk drives 6 TB inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	1.00	-	-	-	1	22850	22850	1.00	22850.00	
81	Supplying, installation, Commissioning and Testing D-Link 8-Port Gigabit Switch With 2 Combo SFP Ports inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	1.00	-	-	-	1	28500	28500	1.00	28500.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
82	Providing and Supplying CAT6 OUT Door 305 mtr Cable Box inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	5.00	-	-	-	5	64250	321250	5.00	321250.00	
83	Providing and Fixing HDMI Cables 10 Mtrs inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	1	-	-	-	1	6500	6500	1.00	6500.00	
84	Supplying ,installation ,Commissioning and Testing of 43" LED TV – Reputed make Sony/Samsung/LG inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	1	-	-	-	1	45000	45000	1.00	45000.00	
85	Supplying ,installation ,Commissioning and Testing Patch cords CAT6 2 Mtr Box inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	15	-	-	-	15	1200	18000	15.00	18000.00	
	Sub Total								5254525.2		5254525.2	
	Total Electrical Work										3877674.0	
	Total Civil works										1376838.2	
	GST Charges (12% on SR Electrical items)										348657.8	
	GST Charges (12% on SR Civil items)										165220.6	
	Sub Total										5768390.6	
	Add KRIDL Charges 4%										230735.6	2,10,180/-
	Grand Total Rs										5999126.2	

59,78,570/-

Certificate

1.The Work executed by the contractor is found satisfactory

2. The contractor has removed the debris from the work spot

3. There are no departmental issues for this work

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer